

ABSTRACT**Speech recognition device.**

A speech recognition device having a hidden operator communication unit and being connectable to a voice communication system having a user communication unit, said speech recognition device comprising a processing unit and a memory provided for storing speech recognition data comprising command models and at least one threshold value (T) said processing unit being provided for processing speech data, received from said voice communication system, by scoring said command models against said speech data in order to determine at least one recognition hypothesis (O), said processing unit being further provided for determining a confidence score (S) on the basis of said recognition hypothesis and for weighing said confidence score against said threshold values in order to accept or reject said received speech data, said device further comprises forwarding means provided for forwarding said speech data to said hidden operator communication unit in response to said rejection of received speech data, said hidden operator communication unit being provided for generating upon receipt of said rejection a recognition string based on said received speech data, said hidden operator communication unit being further provided for generating a target hypothesis (Ot) on the basis of said recognition string generated by said hidden operator communication unit, said device further comprising evaluation means provided for evaluating said target hypothesis with respect to said determined recognition hypothesis and for adapting said stored command models and/or threshold values on the basis of results obtained by said evaluation.